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## NEWS.

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PROFESSORS HUGO DE VRIES and Julius Wiesner have been made members of the Accademia dei Lincei.

DR. N. L. BRITTON was in England during August and September completing his investigations of American Carices and Crassulaceae.

J. B. DANDENO, formerly instructor in botany at the St. Louis Normal School, has been appointed assistant in botany at the Michigan Agricultural College.

COULTER AND ROSE'S *Monograph of the North American Umbelliferae* has been reprinted by the Department of Agriculture, and was issued September 22, 1902.

AMONG THE FALL ANNOUNCEMENTS of Henry Holt & Company is *Plant Physiology* by George J. Pierce; and among those of D. C. Heath & Company is *An introduction to Botany* by W. C. Stevens.

THERE WAS AN ATTENDANCE of forty-four in botany at Woods Hole this summer, including the staff and investigators. Among the latter were Professor Duggar, Drs. Miyake and Overton, and Mr. George D. Fuller.

L. COCKAYNE, whose fine work on the vegetation of Chatham island, New Zealand, will soon be reviewed in this journal, has been granted a passage in the government steamer to the Antarctic islands. He plans to sail during December and will carry on ecological and floristic studies.

THE BOTANICAL SOCIETY OF AMERICA will hold its ninth annual meeting at Washington, D. C., December 29, 1902, to January 3, 1903, under the presidency of Dr. B. T. Galloway. The address of the past president, J. C. Arthur, and a program of scientific papers will be given at the sessions.

A BIOGRAPHICAL SKETCH of the late Marc Micheli, prepared by C. de Candolle, and accompanied by a portrait and bibliography, is published in *Archiv. Sci. Phys. et Nat. Geneva* of July, 1902. The bibliography includes thirty-four botanical titles. Micheli was born October 5, 1844, and died June 29, 1902.

THE BUREAU OF FORESTRY has established a dendro-chemical laboratory in cooperation with the Bureau of Chemistry, to study the chemistry of forest products. The laboratory is in charge of William H. Krug, and its first work has been a study of the chemical composition of the wood and bark of various oaks (chestnut, white, red, and black) and the western hemlock.

DR. ALEX. P. ANDERSON has resigned his position of curator of the  
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herbarium of Columbia University to become an expert to the syndicate now engaged in developing the new method of treating starchy grains, etc., recently discovered by Dr. Anderson in the laboratories of the New York Botanical Garden. Dr. Anderson is fitting up a laboratory for the continuance of his work at Minneapolis.—SCIENCE.

THE KIRBY LUMBER COMPANY, whose holdings are in southeastern Texas, has requested the Bureau of Forestry to prepare a working plan for its lands. The lumbering operations of this company extend over a tract of 1,250,000 acres of pine lands, which contain about 80 per cent. of all the long-leaf pine of Texas. This vast single body of virgin forest is uninterrupted except for the clearings around the villages and farms which it encloses.

THE EDITOR OF *Science* for the fifth year has published statistics in regard to the conferring of the degree of doctor of philosophy by American universities. It is of interest to botanists to know that during this period (1898-1902) fifty-three doctorates in botany have been conferred. The thirteen conferred during 1902 are as follows: W. A. Cannon (Columbia), G. P. Clinton (Harvard), J. W. T. Duval (Michigan), T. C. Frye (Chicago), C. S. Gager (Cornell), C. A. King (Harvard), A. A. Lawson (Chicago), B. E. Livingston (Chicago), Florence M. Lyon (Chicago), K. Miyake (Cornell), E. W. Olive (Harvard), R. H. Pond (Michigan), and C. E. Preston (Harvard).

DURING THE PAST SUMMER two ecological parties have been in the field from the University of Chicago. Dr. Henry C. Cowles, with a party of fourteen, has been studying the climatic and edaphic influences on the flora of Mt. Katahdin, Maine. The results were very satisfactory, since a large number of plants and photographs were collected to supplement the field observations. Mr. Henry N. Whitford, with a party of eight, has been working in the vicinity of Flathead lake, Montana. Mr. Whitford plans to stay through a part of October, and is making a detailed map of the region. Messrs. C. D. Howe and L. H. Harvey, and Dr. B. E. Livingston have been doing individual work in Vermont, Maine, and Michigan.

WE LEARN FROM *Nature* that at the Belfast meeting of the British Association in September, Professor J. Reynolds Green, president of Section K (Botany), delivered an address dealing with the position of research in plant physiology, and its importance in agriculture. Papers were presented as follows: The morphology and past history of the Araucarieae, by A. C. Seward and Sybille Ford; Internodes and their relation to morphological problems, by Percy Groom; The dorsiventrality of the Podostomaceae, by J. C. Willis; The function of the nucleolus, and The nucleus of the Cyanophyceae, by Harold Wager; Sex in the genus *Diospyros*, and Foliar periodicity in Ceylon trees, by H. Wright; Fossil *Nipa* seeds from Belgium, by Messrs. Seward and Arber.